

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

N.T.S. AREA 103 P/13
RÉGION DU S.N.R.C.

REF. AG 9
RÉF.

NAME OF PROPERTY BEN BOLT, JUMBO, AJAX, CHICAGO
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Skeena
Division minière

County
Comté

Lot
Lot

Sec
Sect.

Tp.
Ct.

Lat. 55°57'15"
Lat.

District
District

Township or Parish
Canton ou paroisse

Concession or Range
Concession ou rang

R.
R.

Long. 129°54'
Long.

Cassiar

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock is argillite of the lower part of the sediments of the Hazelton group. In the vicinity of the workings these sediments strike northwest and dip gently southwest. A large body of augite porphyrite outcrops less than $\frac{1}{4}$ mile to the east. According to McConnell the property is at the southern end of the exposed portion of the Portland Canal fissure zone. He states also that the fissure zone on this group is traceable for 2,000 feet, is about 100 feet wide, and consists of silicified and crushed slates holdings numerous small stringers and lenses of quartz. The mineralized zone dips southwestward at a low angle and contains much quartz in stringers and large bodies and is everywhere very sparsely mineralized with pyrite, galena, and sphalerite. Assays from a mineralized shoot show 10 to 15% lead, 3 to 8% zinc, and 5 ounces of silver a ton. A pre-mineral dyke is exposed in the four lower adits. In these adits the vein matter forms several ill-defined quartz veins 6 feet or so wide and occurs also in closely spaced quartz stringers. On the Ajax claim a zone of fissuring strikes nearly east-west and dips north. The zone contains a number of small mineralized lenses consisting mostly of pyrite and sphalerite, with some galena. The claim lies on the augite porphyry contact.

Associated minerals or products
Minéraux ou produits associés

- Lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Ben Bolt and Jumbo claims are located at the 2,500-foot elevation on Albany (south fork of Glacier) Creek, about $3\frac{3}{4}$ miles northeast of Stewart. The Chicago Nos. 1 & 2 claims lie along the west side of the creek, adjoining the Ben Bolt claim on the north. The Ajax and Rex claims lie on the east side of the creek about $\frac{1}{2}$ mile north of the Ben Bolt claim. The Minnie and Maid of Erin claims lie to the northeast, directly across the creek from the Ben Bolt.

The Ben Bolt and Jumbo claims were owned by Messrs. Gourley and Dodge from about 1906 until 1909 when they were reportedly sold to other interests who in April 1910 formed The Pacific Coast Exploration Company, Limited. The company secured a bond on the Chicago Nos. 1 & 2, Ajax, and Rex claims. Work by the company on the Chicago claims in 1911 included 257 feet of tunnelling. On the Ajax claim 350 feet of tunnel was driven and a 50-foot shaft sunk; the bond on the Ajax and Rex was dropped in 1911. On the Ben Bolt and Jumbo claims some 1,600 feet of drifting and crosscutting in 4 adits explored the foot-wall side of the fissure zone over a vertical range of 340 feet and a horizontal distance of 950 feet in a north-south direction. The Jumbo (L 774), Ben Bolt (L 775) were Crown-granted to Pacific Coast Exploration in 1912. The company charter was cancelled in 1933.

The Rex, Ajax, Auto, Minnie, and Maid of Erin claims (Lots 769-773) were Crown-granted to Sam Gourley in 1912.

The Ben Bolt Mining Company, Limited was formed in February 1912 but no record has been found as to what claims the company held at that time. It was reported in 1929 that the 3 claims held by Pacific Coast Exploration had reverted to the Ben Bolt Mining Company. Some work was done by the Ben Bolt company during the period 1929 to 1934. The tracing of the Portland Canal fissure zone was extended about 1,200 feet to the southeast, on the Alice No. 2 claim which had been recently acquired; this claim adjoins the Jumbo on the southeast. The parallel east vein of the fissure zone was traced for 500 feet. The company charter was surrendered in 1940.

The Portland Canal Syndicate acquired some 45 reverted Crown-granted claims on Glacier Creek in about 1954. Included among these were the Ben Bolt, Lucky Seven, Portland Canal, and Glacier Creek properties. The syndicated formed Portal

see Card 2

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Divisions, Skeena District, B.C.; Memoir 32, pp. 36-38, 45, Geol. Surv. of Canada, 1913.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 104, 107, 110, Geol. Surv. of Canada, 1935.

Reports of Minister of Mines, British Columbia:
1906, p. 65; 1907, p. 73; 1909, p. 62; 1911, p. 74;
1929, p. 96; 1930, p. 106; 1932, p. 59; 1955, p. 17.

Eardley-Wilmot, V.L.; Silver Producing Mines in British Columbia; Mines Branch, Ottawa, June 1930, p. 90 - in Mineral Sector File MR-Ag-301.00, British Columbia.

Mineral Sector; Corporation Files: "Cassiar Consolidated Mines Limited"; "Silver Princess Resources Inc."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 215 A, Stewart Sheet, B.C., (Geol.), Sc. 1":1 mile -
accomp. Memoir 159.

Map 193 A, Stewart Sheet, B.C., (Topo.), Sc. 1:50,000.

Map 103 P/13, Stewart, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par		DMacR					
Date Date	12-67	11-80					

BCI 103 O-P-70, 80, 81, 253

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 103 P/13
RÉGION DU S.N.R.C.

REF. AG 9
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ BEN BOLT, JUMBO, AJAX, CHICAGO

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Mining Company Limited, a private company, in August 1954. The company in turn sold the claims to Cassiar Consolidated Mines Limited. In 1955 the Ben Bolt property was surveyed and sampled. The company name (Cassiar Consolidated) was changed in 1976 to Pacific Cassiar Mines Ltd., and in 1978 to Pacific Cassiar Limited. The company, in February 1979, gave to Silver Princess Resources Inc. an option to purchase about 13 Crown-grants comprising this property, including the Jumbo, Ben Bolt, Ajax, and Chicago 1 and 2 and Chicago Fr. (Lots 2317-2319).